BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :Improvements to Roads and Drains at Vinayakanagar cross road and Surrounding area in Ward No 12 Shettyhalli, Shettyhalli Sub Division

6 Code-012-18-000004 *Est .Cost Rs.50.00 Lakhs*

	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB 300-3 Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3 **P. No. 142/ It No. 19.1/ PWD SR 2016-17**								
	For drain	**Cum**							
	Vinayaka nagra road w 0315		2	135.00	1.20	1.00	324.00		
	Vinayaka nagra road w 0313		2	135.00	1.20	1.00	324.00		
	For culverts		4	6.00	1.75	1.00	42.00		
							690.00	175.96	**121412.00**
	Basic Rate	**82.00**							
	add loading & unloading charges	68.00							
	lead for 5 km=5*1.28*2.5	16.00							
	Total	166.00							
	add AW 6%	9.96							
		175.96							
2	KSRB 4-1 3 **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0 85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	Vinayaka nagra main road w0230	cum	2	135.00	1.05	0.15	42.53		
	Vinayaka nagra road w 0313		2	135.00	1.20	0.15	48.60		
	For culverts		4	6.00	1.60	0.15	5.76		
							96.89	5159.02	**499832.00**
	Basic Rate	4867.00							
	Add A.W 6%	292.02							
	Total	**5159.02**							
3	KSRB 4.2 2 **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 **,P.13/I.4.11/ PWD SR 2016-17**								
	For drain bottom	Cum							

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Vinayaka nagra road w 0315		2	135 00	1 00	0 15	40 50		
Vinayaka nagra road w 0313		2	135 00	1 00	0 15	40 50		
side wall								
Vinayaka nagra road w 0315		4	135 00	0 15	0 75	60 75		
Vinayaka nagra road w 0313		4	135 00	0 15	0 75	60 75		
						202.50		
For culverts bottom		4	6 00	1 60	0 15	5 76		
side wall		4	6 00	0 35	0 70	5 88		
for deck slab		4	6 00	1 50	0 23	8 28		
Ramp		4	6 00	1 15	0 15	4 14		
						226.56	6371 66	**1443563.00**
Basic Rate	6011 00							
Add A W 6%	360 66							
Total	**6371.66**							

KSRB 4 6 4 **Providing and removing centering, shuttering**, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications Specification No KBS 4 6 2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**

Vinayaka nagra road w 0315	**sqm**	2x4	135 00		0 75	810 00		
Vinayaka nagra road w 0313		2x4	135 00		0 75	810 00		
For culverts		4x4	6 00		0 75	72 00		
for deck slab		4	6 00	0 60		14 40		
		4	15 00		0 30	18 00		
						1724.40	310.58	**535564.00**
Basic Rate	293 00							
Add A W 6%	17 58							
Total	**310.58**							

KSRB 4 9 2 **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS 4 6 3, TMT bars **Fe 500 Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**

for drain	Tonnes		202 50	x	65 kgs	13162 50		
for cd's			24 06	x	75 kgs	1804 50		
			226.56	or say		**14967.00**		
						14.97	64243.42	**961531.00**
Basic Rate	60607 00							
Add A W 6%	3636 42							
Total	**64243.42**							

6 **Providing & laying reinforced cement precast slabs** of mix **CC 1:11/2:3** using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications

Vinayaka nagra road w 0315	Sqm	2	135 00		0 90	243 00		
Vinayaka nagra road w 0313		2	135 00		0 90	243 00		
missing slabs		3	27 00		0 90	72 90		
						558.90	1680 00	**938952.00**
Approved Rate of Precast slab	**1680.00**							

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					Sub Total			4764708.00
Add Tender Primium @ 5 %								238085.00
Miscellaneous and unforeseen charges								4952.00
							L.S	207.00
								4052.00
					Grand Total			5000000.00

(Rupees Fifty Lakhs Only)

1 The Estimate is prepared as per the PWD SR 2016-17
2 The Provision made in estimate are adequate and essential
3 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DH/AS/666/17-18 26.12.17
ರೂ. Rs 50.00 [lakhs] Rupees
ಅಂದಾಜು ಪಟ್ಟಿ fifty lakhs only

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ

ನಂ. CE/TS/418/17-ದಿನಾಂಕ : 27/12/17
ರೂ. Rs. 50.00 (lakhs) only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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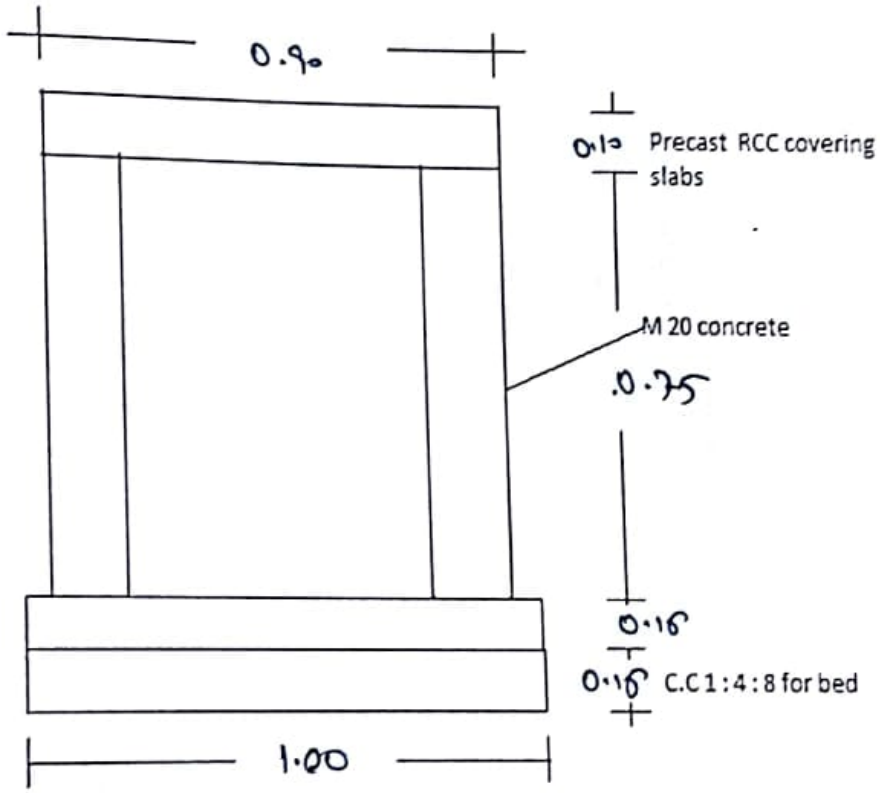
Name of work : Improvements to roads and drains at Vinayaka nagara cross road and surrounding area in Wrad No.12 Shettyhalli,, Shettyhalli Sub Division.

Estimated cost : Rs 50.00 Lakhs

Job No : .012-18-000004 (P. Code-3332)



cross section of RCC drain

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division

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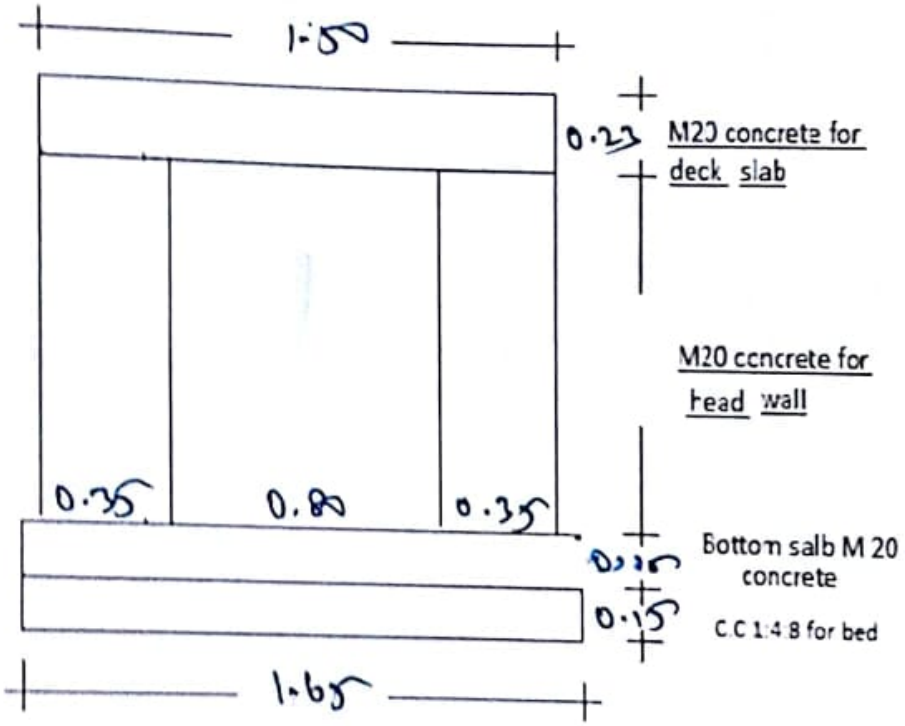
Name of work : Improvements to roads and drains at Vinayaka nagara cross road and surrounding area in Wrad No.12 Shettyhalli,, Shettyhalli Sub Division.

Estimated cost : Rs 50.00 Lakhs (Special Development Grant work, P -3332)



cross section of culverts

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division

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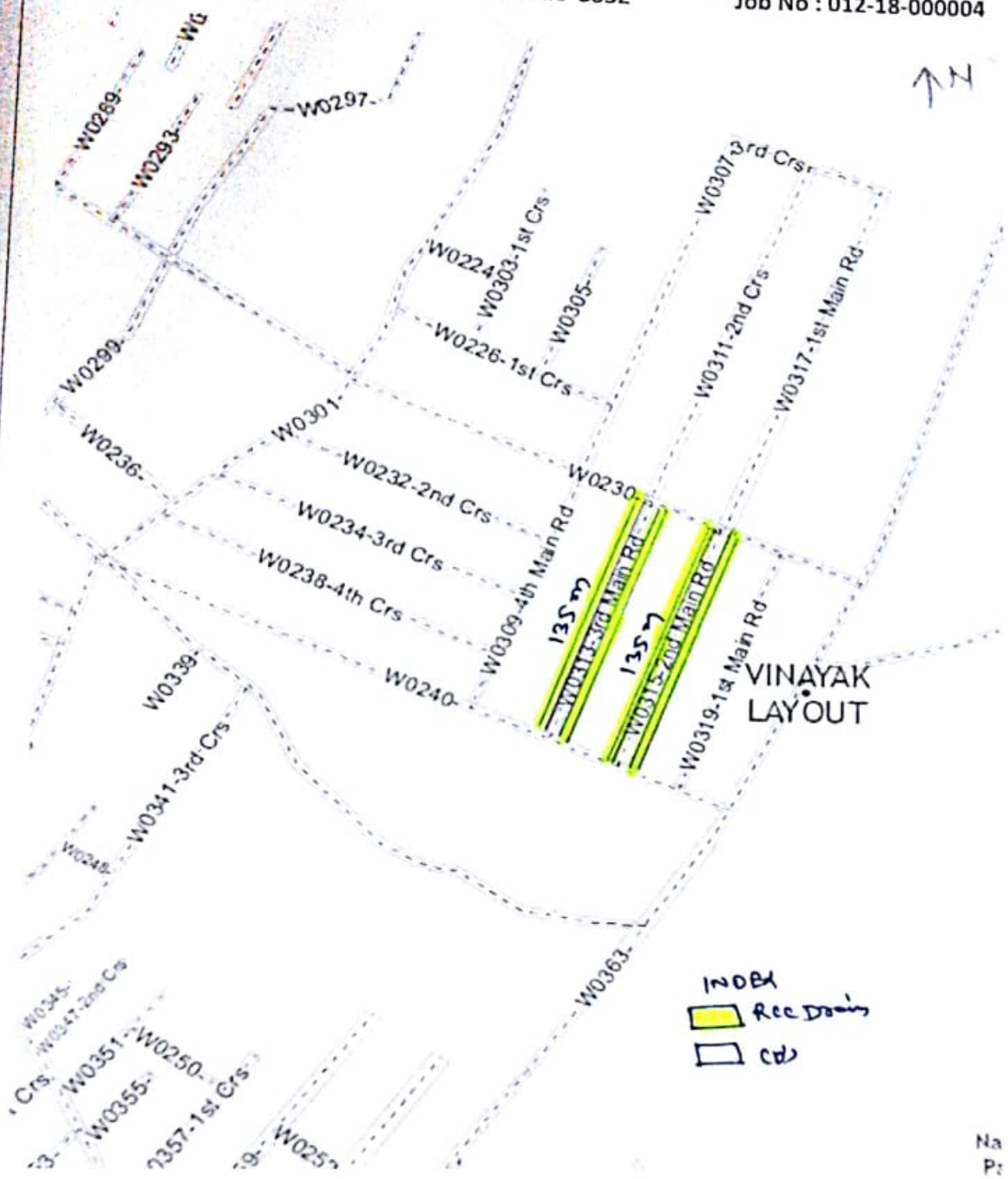
Name of work : Improvements to roads and drains at Vinayaka nagara cross road and surrounding area in Wrad No.12 Shettyhalli,, Shettyhalli Sub Division

Estimated cost : Rs 50.00 Lakhs **P-Code 3332** **Job No : 012-18-000004**



Assistant Engineer
Ward No 12

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Shettyhalli Sub Division

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